

EDWARDS ANGELL PALMER & DODGE LLP
P. O. Box 55874
Boston, Massachusetts 02205

Docket No.

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-206 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTROSTATIC SUCTION TYPE FLUID DISCHARGE DEVICE, ELECTROSTATIC SUCTION TYPE FLUID DISCHARGE METHOD, AND PLOT PATTERN FORMATION METHOD USING THE SAME
which is described and claimed in:

☐ the specification attached hereto.

☐ the specification in U.S. Application Serial Number _____, filed on _____.

☒ the specification in PCT international application Number PCT/JP2004/011233
filed on August 5, 2004; and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119:			
Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. §119?
2003-206962	August 8, 2003	Japan	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2003-206958	August 8, 2003	Japan	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2003-206970	August 8, 2003	Japan	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Applications or PCT International Applications Designating the U.S-Benefit Under 35 U.S.C. §120				
U.S. Applications		Status (Check One)		
Application Serial No.	U.S. Filing Date	Patented	Pending	Abandoned
PCT Applications Designating the U.S.				
Application No.	Filing Date	U.S. Serial No. Assigned		

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

ALL PRACTITIONERS ASSOCIATED WITH CUSTOMER NO. 21874

SEND CORRESPONDENCE TO: Edwards Angell Palmer & Dodge LLP P. O. Box 55874 Boston, Massachusetts 02205	DIRECT TELEPHONE CALLS TO:
---	-----------------------------------

201	FULL NAME OF INVENTOR	LAST NAME NISHIO	FIRST NAME Shigeru	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY Yamatokoriyama-shi	STATE OR FOREIGN COUNTRY Nara Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 1410-3-1-102, Koizumi-cho	CITY Yamatokoriyama-shi	STATE OR COUNTRY AND ZIP CODE Nara 639-1042 Japan
202	FULL NAME OF INVENTOR	LAST NAME IWASHITA	FIRST NAME Hironobu	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o KONICA MINOLTA HOLDINGS, INC. 6-1, 1- chome Marunouchi Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-0005 Japan
203	FULL NAME OF INVENTOR	LAST NAME YAMAMOTO	FIRST NAME Kazunori	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o KONICA MINOLTA HOLDINGS, INC. 6-1, 1- chome Marunouchi Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-0005 Japan
204	FULL NAME OF INVENTOR	LAST NAME MURATA	FIRST NAME Kazuhiro	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 1-3-1, Kasumigaseki Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-8921 Japan
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201 <i>Shigeru Nishio</i>	Signature of Inventor 202
Date: 2006. 1. 20	Date:
Signature of Inventor 203	Signature of Inventor 204
Date:	Date:
Signature of Inventor 205	Signature of Inventor 206
Date:	Date:

EDWARDS ANGELL PALMER & DODGE LLP
P. O. Box 55874
Boston, Massachusetts 02205

Docket No.

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-206 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTROSTATIC SUCTION TYPE FLUID DISCHARGE DEVICE, ELECTROSTATIC SUCTION TYPE FLUID DISCHARGE METHOD, AND PLOT PATTERN FORMATION METHOD USING THE SAME
which is described and claimed in:

☐ the specification attached hereto.

☐ the specification in U.S. Application Serial Number _____, filed on _____.

☒ the specification in PCT international application Number PCT/JP2004/011233
filed on August 5, 2004; and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119:			
Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. §119?
2003-206962	August 8, 2003	Japan	[X] YES [] NO
2003-206958	August 8, 2003	Japan	[X] YES [] NO
2003-206970	August 8, 2003	Japan	[X] YES [] NO

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Applications or PCT International Applications Designating the U.S-Benefit Under 35 U.S.C. §120					
U.S. Applications			Status (Check One)		
Application Serial No.	U.S. Filing Date		Patented	Pending	Abandoned
PCT Applications Designating the U.S.					
Application No.	Filing Date	U.S. Serial No. Assigned			

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))**

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

ALL PRACTITIONERS ASSOCIATED WITH CUSTOMER NO. 21874

SEND CORRESPONDENCE TO: Edwards Angell Palmer & Dodge LLP P. O. Box 55874 Boston, Massachusetts 02205	DIRECT TELEPHONE CALLS TO:
---	-----------------------------------

201	FULL NAME OF INVENTOR	LAST NAME NISHIO	FIRST NAME Shigeru	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY Yamatokoriyama-shi	STATE OR FOREIGN COUNTRY Nara Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 1410-3-1-102, Koizumi-cho	CITY Yamatokoriyama-shi	STATE OR COUNTRY AND ZIP CODE Nara 639-1042 Japan
202	FULL NAME OF INVENTOR	LAST NAME IWASHITA	FIRST NAME Hironobu	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o KONICA MINOLTA HOLDINGS, INC. 6-1, 1- chome Marunouchi Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-0005 Japan
203	FULL NAME OF INVENTOR	LAST NAME YAMAMOTO	FIRST NAME Kazunori	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o KONICA MINOLTA HOLDINGS, INC. 6-1, 1- chome Marunouchi Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-0005 Japan
204	FULL NAME OF INVENTOR	LAST NAME MURATA	FIRST NAME Kazuhiro	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 1-3-1, Kasumigaseki Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-8921 Japan
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201	Signature of Inventor 202 <i>Hironobu Iwashita</i>
Date:	Date: <i>January 16, 2006</i>
Signature of Inventor 203 <i>Kazunori Yamamoto</i>	Signature of Inventor 204
Date: <i>JAN 27, 2006</i>	Date:
Signature of Inventor 205	Signature of Inventor 206
Date:	Date:

EDWARDS ANGELL PALMER & DODGE LLP
P. O. Box 55874
Boston, Massachusetts 02205

Docket No.

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-206 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTROSTATIC SUCTION TYPE FLUID DISCHARGE DEVICE, ELECTROSTATIC SUCTION TYPE FLUID DISCHARGE METHOD, AND PLOT PATTERN FORMATION METHOD USING THE SAME
which is described and claimed in:

☐ the specification attached hereto.

☐ the specification in U.S. Application Serial Number _____, filed on _____.

☒ the specification in PCT international application Number, PCT/JP2004/011233
filed on August 5, 2004; and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119:			
Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. §119?
2003-206962	August 8, 2003	Japan	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2003-206958	August 8, 2003	Japan	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2003-206970	August 8, 2003	Japan	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Applications or PCT International Applications Designating the U.S.-Benefit Under 35 U.S.C. §120					
U.S. Applications			Status (Check One)		
Application Serial No.	U.S. Filing Date		Patented	Pending	Abandoned
PCT Applications Designating the U.S.					
Application No.	Filing Date	U.S. Serial No. Assigned			

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))**

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

ALL PRACTITIONERS ASSOCIATED WITH CUSTOMER NO. 21874

SEND CORRESPONDENCE TO: Edwards Angell Palmer & Dodge LLP P. O. Box 55874 Boston, Massachusetts 02205	DIRECT TELEPHONE CALLS TO:
---	-----------------------------------

201	FULL NAME OF INVENTOR	LAST NAME NISHIO	FIRST NAME Shigeru	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY Yamatokoriyama-shi	STATE OR FOREIGN COUNTRY Nara Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 1410-3-1-102, Koizumi-cho	CITY Yamatokoriyama-shi	STATE OR COUNTRY AND ZIP CODE Nara 639-1042 Japan
202	FULL NAME OF INVENTOR	LAST NAME IWASHITA	FIRST NAME Hironobu	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o KONICA MINOLTA HOLDINGS, INC. 6-1, 1- chome Marunouchi Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-0005 Japan
203	FULL NAME OF INVENTOR	LAST NAME YAMAMOTO	FIRST NAME Kazunori	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o KONICA MINOLTA HOLDINGS, INC. 6-1, 1- chome Marunouchi Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-0005 Japan
204	FULL NAME OF INVENTOR	LAST NAME MURATA	FIRST NAME Kazuhiro	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY Tokyo Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS c/o NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 1-3-1, Kasumigaseki Chiyoda-ku	CITY	STATE OR COUNTRY AND ZIP CODE Tokyo 100-8921 Japan
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201	Signature of Inventor 202
Date:	Date:
Signature of Inventor 203	Signature of Inventor 204
Date:	Date: <i>Kazuhiko Murata</i>
Signature of Inventor 205	Date: <i>20, January, 2006</i>
Date:	Signature of Inventor 206
	Date: